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LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW.

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Published:

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15 April 2004

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/13 A61K31/137 A61P9/10

C. DOCUMENTS CONSIDERED TO BE RELEVANT

A61K45/00

A61P9/04 A61P9/06 JAN 2005

Relevant to claim No.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 **A61K**

Category °

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, CHEM ABS Data

Citation of document, with indication, where appropriate, of the relevant passages

X	KARLINER J S: "Lysophospholipids cardiovascular system" BIOCHIMICA ET BIOPHYSICA ACTA, EL vol. 1582, no. 1-3, 23 May 2002 (2002-05-23), pages 2 XP004366543 page 219, left-hand column, paragright-hand column, paragright-h	1-4		
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X Furt	l her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.	
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or		 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
Date of the actual completion of the international search		Date of mailing of the international search report		
28 October 2003		19.02.2004		
Name and I	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt, Fax: (+31-70) 340-3016	Authorized officer Young, A		



Relevant to claim No

1-4,7
14
1-4,7
5,6
1-7
1-7





INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 4,6 and 7 (part) are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-7 (part)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: -

Present claims 1-6 relate to a product/compound/method defined by reference to a desirable characteristic or property, namely S1P receptor agonist.

The claims cover all products/compounds/methods having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such products/compounds/methods. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the product/compound/method/apparatus by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the products/compounds/methods as disclosed in claim 7 (i.e. formula I for invention 1).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7 (part)

Use, a pharmaceutical composition, a pharmaceutical combination or a method according to claims 1-6 wherein the S1P receptor agonist is selected from a compound of formula I.

2. claims: Claims 1-7 (part)

Use, a pharmaceutical composition, a pharmaceutical combination or a method according to claim 1-6 wherein the S1P receptor agonist is selected from a compound of formula II.

3. claims: Claims 1-7 (part)

Use, a pharmaceutical composition, a pharmaceutical combination or a method according to claims 1-6 wherein the S1P receptor agonist is selected from a compound of formula III.

4. claims: Claims 1-7 (part)

Use, a pharmaceutical composition, a pharmaceutical combination or a method according to claims 1-6 wherein the S1P receptor agonist is selected from a compound of formula IVa or IVb.

5. claims: Claims 1-7 (part)

Use, a pharmaceutical composition, a pharmaceutical combination or a method according to claims 1-6 wherein the S1P receptor agonist is selected from a compound of formula V.

6. claims: Claims 1-7 (part)

Use, a pharmaceutical composition, a pharmaceutical combination or a method according to claims 1-6 wherein the S1P receptor agonist is selected from a compound of formula VI.



Interest Application No
PCT/EP 03/08085

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APPLICATION FILED BY: 20 MOS.,	OR 30 MOS. SCREENED BY
International application Article 19 amendments Priority Document(s) No. Request Form PCT/RO/101 PCT/IB/302 PCT/IB/304 PCT/IB/306 PCT/IB/308 PCT/IB/331 OTHER PCT/IB/ PCT/IPBA/409 also 416	PAPERS IN THE APPLICATION FILE:
CEIVED FROM THE APPLICANT National application basic fee paid Express Processing Requested Translation of the International Applicatio Used the IB copy of the IA Description Claims	Preliminary Amendment(s) filed - / 4 / 4m /
Drawings Roreign Language in drawing Article 19 Amendments Amendment used in application Article 34 Amendment Amendment used in application DNA 1194 transaction done	Forward to Assignment Branch Substitute Specification Small Butity Statement type Oath/Declaration (date submitted Not executed Executed Power of Attorney Change of Address
USC Receipt of Request (PTO - e Acceptable oath/declaration rec	1399 Transmittal Letter) N. Tem 05.
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BO 905 Notice of Missing Red BO 917 Notice of A defective	Juiremente



